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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/713,899         | 09/12/2003             | David L. Hagen        | VAST.001PR             |

Louis J. Knobbe  
 Knobbe, Martens, Olson & Bear, LLP  
 14th Floor  
 2040 Main Street  
 Irvine, CA 92614



**CONFIRMATION NO. 8934**  
**FORMALITIES LETTER**



\*OC000000011639093\*

Date Mailed: 01/08/2004

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION****FILED UNDER 37 CFR 1.53(b)*****Filing Date Granted*****Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.

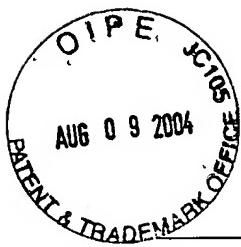
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PATENT

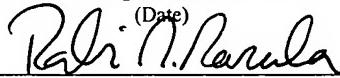
Case Docket No. VAST.001A  
Date: August 6, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : David L. Hagen et al.  
App. No. : 10/713,899  
Filed : September 12, 2003  
For : DISTRIBUTED DIRECT FLUID  
CONTACTOR  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

August 6, 2004

  
(Date)  
Rabinder N. Narula

Rabinder N. Narula, Reg. No. 53,371

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

ATTENTION: MAIL STOP MISSING PARTS

Dear Sir:

In response to the Notice to File Missing Parts of Application Under 37 CFR 1.53(f), which was mailed by the Office on January 8, 2004, enclosed are:

- An executed Declaration by Inventors.  
 An extension of time to respond for 5 months is hereby requested.

Time Extension Fee:

five months (\$2010 large entity)

- A Notice to File Missing Parts.  
 Return prepaid postcard.  
 Fees as calculated below:

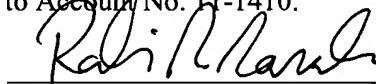
| FEE FOR EXTENSION OF TIME (LARGE ENTITY) | 5 months | \$ 2010 |
|--|----------|---------|
| TOTAL FEES SUBMITTED HEREWITH            |          | \$ 2010 |

- A check in the amount of \$2010 to cover the above fees is enclosed.  
 The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

08/10/2004 BABRAHA1 00000053 10713899

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2010.00 0P

  
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